

## ABSTRACT

An object of the invention is to provide method of operating a projection-type system, which method is capable of suppressing flicker and minimizing gradation disorder at the same time by  
5 superimposing a pulse current on a d.c. lamp current to stabilize arc while synchronizing the superimposition of the pulse current on the d.c. lamp current with a predetermined segment. The method of operating a projection-type system configured to pass light ( $\Phi$ ) emitted from a high-pressure  
10 discharge lamp (1) lit by d.c. lighting through divided plural color segments (3a)... sequentially to project an image onto a screen (7), includes superimposing a pulse current (P) on a d.c. lamp current (R) in the high-pressure discharge lamp (1) in synchronism with at least one specific color segment.